IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Masashi TAKADA	Art Unit: NOT YET ASSIGNED
Appl. No: NOT YET ASSIGNED	Examiner: NOT YET ASSIGNED
Filed: July 15, 2003	Atty. Docket No: 31869-190915
For: ECHO CANCELER WITH ECHO PATH CHANGE DETECTOR	Customer No:

Information Disclosure Statement

Commissioner for Patents
Post Office Box 1450
Alexandria, Virginia 22313-1450

Sir:

This is an Information Disclosure Statement submitted under 37 C.F.R. § 1.97 within the time specified under 37 C.F.R. § 1.97(b).

In order to comply with the duty of disclosure under 37 C.F.R. § 1.56, the U.S. Patent and Trademark Office is notified of the document which is listed on the attached Form PTO/SB/08A and which the Examiner may deem relevant to patentability of the claims of the above-identified application. A copy of document is submitted herewith.

This present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore no Statement Under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

For Document AA, as no English translation is readily available, the Applicant provides the following concise explanation. Double-talk is detected from the power ratio of the transmitted residual signal to the echo replica signal. The double-talk state is distinguished from echo path changes by correlating the near-end input signal with the echo replica signal, the correlation being normalized by the power of the echo replica signal.

In view of the above, no further translation or concise explanation is required, and as

all requirements of 37 C.F.R. § 1.97 and all official guidelines pertaining to Information

Disclosure Statements have been complied with, it is therefore respectfully requested that the

Examiner consider the documents and make them of record.

Please charge any necessary fee or credit any overpayment in connection with this
Information Disclosure Statement to Deposit Account No. 22-0261.

Respectfully submitted,

Date: July 15, 2003

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Attorney Docket No. 31869-190915

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Compl te if Known		
Application Number	*Unassigned*
Filing Date	July 15, 2003
First Named Inventor	Masashi TAKADA
Group Art Unit	*Unassigned*
Examiner Name	*Unassigned*

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T [2]
	AA	Fujii et al., "Double-Talk Detection Method with Detecting Echo Path Fluctuation", Trans. Of IEICE of Japan, Vol. J78-A No. 3, pp. 314-322 (1999).	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

VENABLE
ATTORNEYS AT LAW